

## ABSTRACT

The invention relates to a method for controlling data traffic in a telecommunications network (150), said control being carried out in terms of a statistic modeling of the traffic transmitted by the network (150) by means of a gaussian distribution of the data flow.

According to the invention, one such method is characterized in that a characteristic value of the Gaussian distribution is weighted by means of a parameter  $\gamma$  which varies according to the intensity of the variations or the discontinuity, of the traffic process by said network (150), said weighted value being used to evaluate the traffic in the network.